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الملخص العربى

الغرض من البحث هو دراسة دور البلازميد فى بكتيريا السالمونيلا فى المقاومة للأدوية تم جمع ثلاثمائة عينة لبراز من الحالات المشخصة إكلينيكى على أنها حمى التيفود وكان عمر المصابين بها يتراوح بين ٢ إلى ٦٠ سنة ، و ذلك من الحالات المترددة على العيادات الخارجية بكل من مستشفى حميات بنها و المنصورة . (١٧٠) مائة و سبعون حالة من مستشفى حميات بنها و (١٣٠) مائة و ثلاثون حالة من مستشفى حميات المنصورة .

تم استنبات عينات البراز لجميع الحالات على المستنبتات البكتيرية لفصل ميكروب السالمونيلا و تم التعرف عليها من التفاعلات الخاصة بكل ميكروب على حدا .

تم عزل السالمونيلا من(١٠٠) حالة من العدد الكلى (٣٠٠)حالة ، (٦٠) عزلة من مستشفى حميات بنها و (٤٠) حالة من مستشفى حميات المنصورة .

تم عمل اختبار حساسية للميكروبات المعزولة للمضادات الحيوية المختلفة (١٨) نوعاً بطريقة انتشار الأقراص .

تم فصل البلازميدات النووية من عزلات السالمونيلا التى أظهرت فى اختبار الحساسية أنها كانت مقاومة للمضادات البكتيرية و ذلك عن طريق الفصل الأيونى للجيل الأجاروزى ثم تم انتقال البلازميدات من العزلات التى أظهرت مقاومة للمضادات الحيوية بطريقة النقل و طريقة التزاوج إلى عزلات ذات حساسية لجميع المضادات البكتيرية مثل الاشريشيا كولاى – ك ١٢ ، C600 ثم تم تكسير البلازميدات لكل من عزلات السالمونيلا و السلالات الناتجة من التزاوج و ذلك باستعمال الانزيمات الهاضمة النووية مثل (الإيكو أر ١) و (الهند ٣) .